

Product Texts

Product-nomenclature: ISO 16396-PA66 PA6,GF30,M1HR,C14-100N

Product Attributes

Improved flowability and demoulding

Markets

Industry & Consumer goods
Housewares, Sports & Leisure
Packaging
Medical packaging

Approvals

Food Contact
EU Requirements, FDA
Potable Water Contact
WRAS

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.6 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	9700 / 6000	MPa	ISO 527
^[C] Stress at break	190 / 125	MPa	ISO 527
^[C] Strain at break	3 / 8	%	ISO 527
^[C] Charpy impact strength, +23°C	70 / 80	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	60 / 60	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	10 / 12	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	7 / 6	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	235 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 8.00 MPa	160 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	20 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	70 / *	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	1E12 / 1E11	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E12	Ohm	IEC 62631-3-2
^[C] Electric strength	25 / 21	kV/mm	IEC 60243-1
^[C] Comparative tracking index	- / 475	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	5 / *	%	Sim. to ISO 62
^[C] Humidity absorption	2 / *	%	Sim. to ISO 62
^[C] Density	1350 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Delivery form

Granules, Natural Color

Certifications

Food contact, Food approval FDA 21 CFR, Drinking water contact

Applications

Medical, Packaging, Sports Equipment

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa